



2000 Annual Users' Meeting Workshop Agenda

Workshop 2: X-Ray Absorption Fine Structure (XAFS) Studies of Dilute Systems

Monday, May 22, 2000 - 8:45 am to 5:00 pm
Physics Seminar Room, Building 725B (second floor)

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| 8:45 am | Opening Remarks
Kumi Pandya - North Carolina State University |
| 9:00 am | Fluorescence Analyzers for XAFS of Dilute Systems
Grant Bunker - Director, BioCAT |
| 9:45 am | A Log Spiral of Revolution, HOPG Monochromator for Fluorescence EXAFS
Doug Pease - University of Connecticut |
| 10:15 am | BREAK |
| 10:45 am | Application of High-Brilliance, Submicron X-ray Beams to Study Dilute Systems in Environmental Biogeochemistry
Ken M. Kemner - Argonne National Laboratory |
| 11:15 am | Pushing The Limits: Analysis of Mixtures and sub-ppm Analytes
Steven Conradson - Los Alamos National Laboratory |
| 12:00 | LUNCH <i>(served at workshop location)</i> |
| 1:00 pm | EXAFS Characterization of Supported Metal-Complex and Metal-Cluster Catalysts Made from Organometallic Precursors
Bruce C. Gates - University of California at Davis |
| 2:00 pm | EXAFS and micro-XANES Analysis of Metal Sulfide Oxidation in Soil
Dean Hesterberg - North Carolina State University |

- 2:45 pm **BREAK**
- 3:15 pm **Investigation of Chloride Interactions with Passivated Aluminum with XANES**
William O. O'Grady - Naval Research Laboratory
- 4:00 pm **Dependence of Detection Limits on Relationship between Size and Brightness of the X-ray Beam and the System Heterogeneity**
Geraldine M. Lamble - Lawrence Berkeley Laboratory
- 4:30 pm **EXAFS of Thin Semiconductor Alloys and Oxides**
Joe Woicik - National Institute of Standards and Technology
- 5:00 pm **Adjourn**
- 5:30 - 8:00 pm **Welcoming Reception, Berkner Hall**
~ Equipment Exhibit, Poster Session and Contest
~ Hot & Cold Hors d'oeuvres - Open Wine, Beer and Soda Bar
~ Live music provided by "Swinging Moose"
- 8:00 pm **Registration Desk, Equipment Exhibit and Reception Closes**

Workshop Organizer: Kumi Pandya, NCSU, c/o BNL, Bldg. 510E, Upton, NY 11973-5000, e-mail: pandya@bnl.gov and Dale Sayers, NCSU, Raleigh-Durham, NC; e-mail: sayers@ncsu.edu.